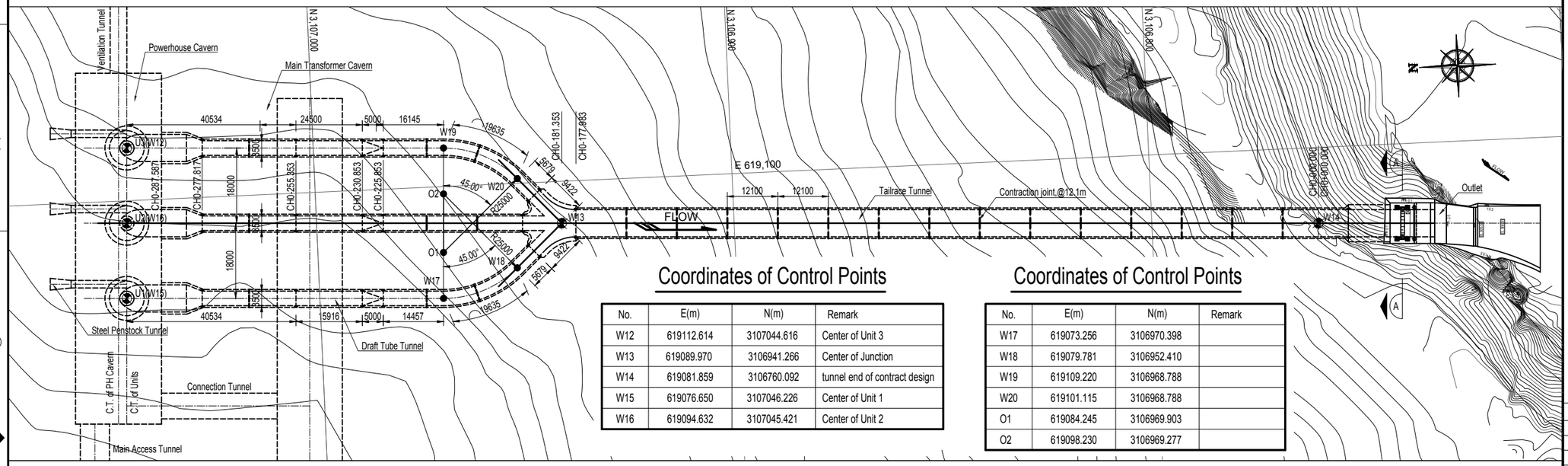
PLAN LAYOUT OF DRAFT TUBE TUNNEL , TAILRACE TUNNEL & OUTLET

Scale 1:500



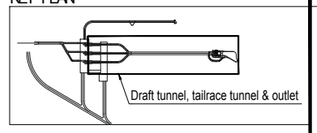
Coordinates of Control Points

No.	E(m)	N(m)	Remark
W12	619112.614	3107044.616	Center of Unit 3
W13	619089.970	3106941.266	Center of Junction
W14	619081.859	3106760.092	tunnel end of contract design
W15	619076.650	3107046.226	Center of Unit 1
W16	619094.632	3107045.421	Center of Unit 2

Coordinates of Control Points

No.	E(m)	N(m)	Remark
W17	619073.256	3106970.398	
W18	619079.781	3106952.410	
W19	619109.220	3106968.788	
W20	619101.115	3106968.788	
O1	619084.245	3106969.903	
O2	619098.230	3106969.277	

KEY PLAN



NOTE

1. This set of drawings are layout drawing of tailrace system.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Symbol description:
   - 3.1. A-line is the design excavation line.
   - 3.2. B-line is the overbreak line.
   - 3.3. R denotes round bar, yield strength of the round bar is 280mMpa.
   - 3.4. D denotes deformed bar, yield strength of the deformed bar is 500Mpa;
4. The specified compressive strength of concrete is the cylinder strength of 24MPa at age of 28 days.
5. Backfill grouting is applied to tunnel crown, consolidation grouting is applied to rock class IV and V.
6. Weep holes are proposed at locations where heavy leakage occurs after excavation.
7. Water levels are cited from Contract Documents.
8. The layout of draft tube tunnels and powerhouse & M.T. caverns are sketched and subjected to final design of E&M party.
9. See the subsequent drawings for the slope protection on the left and right sides of the tailrace outlet and the road to the tailrace platform.

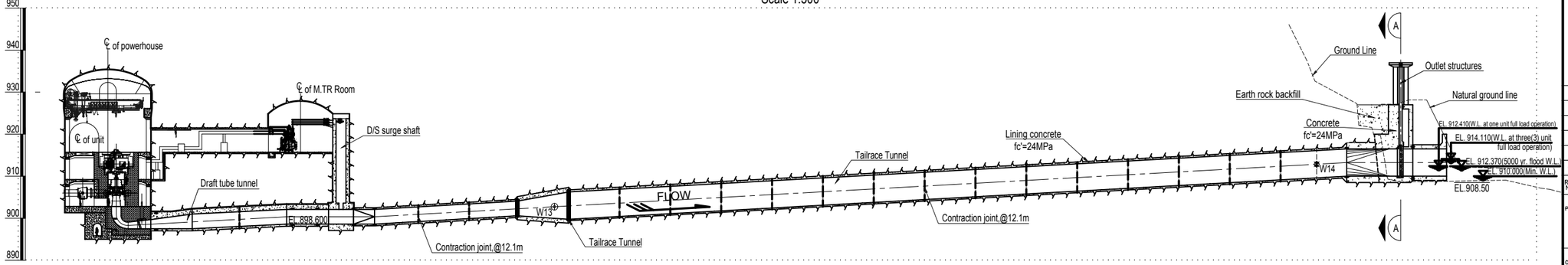
Scale:
1:500 0 5 10 15 20 25m

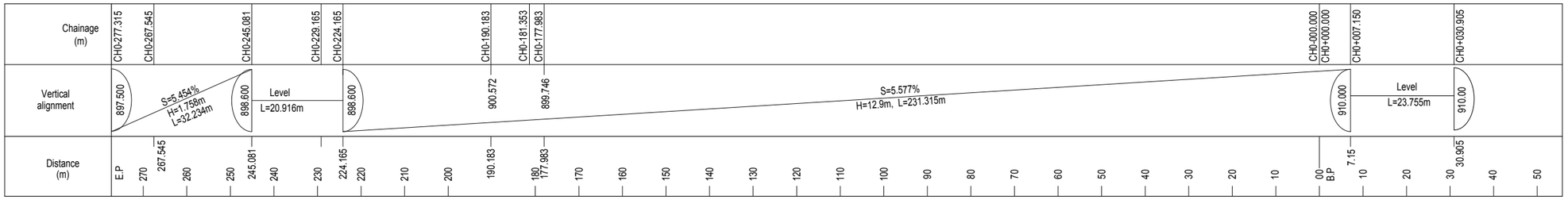
REFERENCE DRAWINGS

SYMBOL AND LEGEND

PROFILE OF DRAFT TUBE TUNNEL , TAILRACE TUNNEL & OUTLET

Scale 1:500





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0A	20.APR.2022	FIRST ISSUE	MA JIE	ZHANG J.Q.	ZHANG FAN LI W.G.

PROJECT TITLE
Upper Trishuli-1 HEP (216MW)

OWNER
NWEDC

OWNER'S ENGINEER
TRACTEBEL ENGIE, jade CONSULT

CONTRACTOR
DOOSAN Doosan Enerbility

DRAWING TITLE
LAYOUT DRAWING OF TAILRACE SYSTEM(1/4)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-070-CVL-DG-59001-01	1 OF 4	0A

A1 (594 x 841 MM)